400 Seventh St., S.W. Washington, D.C. 20590

Research and Special Programs Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY SPECIAL FORM RADIOACTIVE MATERIALS CERTIFICATE NUMBER USA/0242/S, REVISION 5

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency and the United States of America for the transport of radioactive materials.

- 1. <u>Source Identification</u> Monsanto Research Corporation Model 24154-C source manufactured prior to December 10, 2001.
- 2. <u>Source Description</u> The source is a tungsten inert gas welded double encapsulation constructed of Type 304 stainless steel. It is in the form of a cylindrical sleeve with an outside diameter of 35.0 mm (1.375 in), an inside diameter of 28.1 mm (1.105 in), and a height of 12.7 mm (0.500 in). Sources are to be manufactured in accordance with Monsanto Research Corporation Drawing No. C24154-AC00, Rev. 0 (attached).
- 3. Radioactive Contents Not more than 0.037 TBq (1.0 Ci) of Americium-241 as an oxide mixed with powdered neutron producing target material.
- 4. Quality Assurance Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
- 5. Expiration Date This certificate expires December 31, 2007.

^{1 &}quot;Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

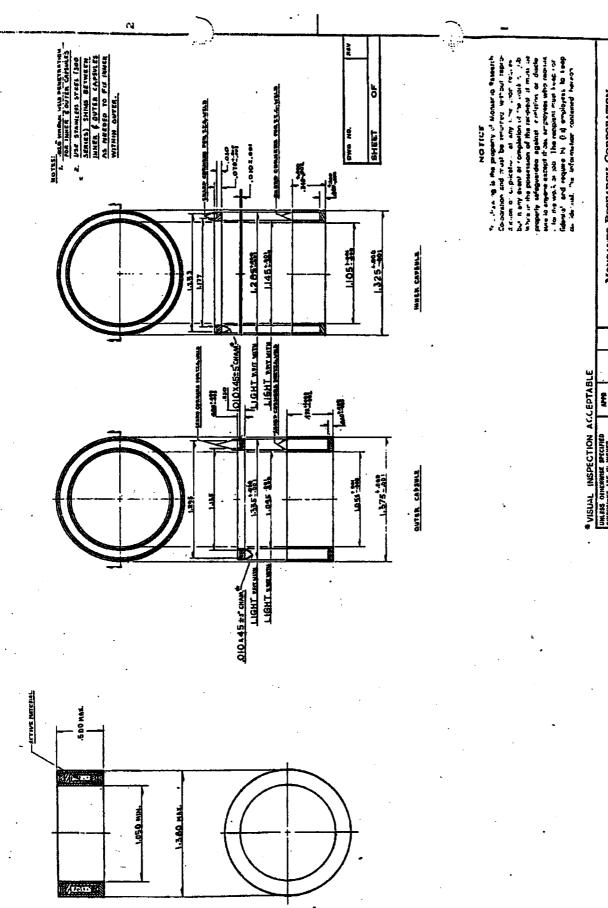
² Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

CERTIFICATE USA/0242/S, REVISION 5

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated May 1, 2002 and August 2, 2002 submitted by Schlumberger, Sugar Land, TX, and in consideration of other information on file in this Office.

Certified Sy / //	JAN - 8 2003
Robert A. Moduire	(DATE)
Associate Administrator for	
Hazardous Materials Safety	

Revision 5 - Issued to extend the expiration date.



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